



County of Roanoke, Virginia
Capital Improvement Program
Fiscal Years 2016 - 2025



County of Roanoke
2016-2025
Capital Improvement Program



Board of Supervisors

Joseph B. “Butch” Church
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P. Jason Peters
Vinton Magisterial District

Joseph P. McNamara
Windsor Hills Magisterial District



Thomas C. Gates
County Administrator

***Department of
Management and Budget Staff***

W. Brent Robertson, CPA

Director
(540) 772-2021

James Lyon

Budget Manager
(540) 772-2011

Holly Lamberta

Budget Analyst
(540) 776-7203

Becky Webb

Administrative Assistant
(540) 772-2073



Prepared by

*County of Roanoke
Department of Management and Budget
PO Box 29800, 5204 Bernard Drive, Suite 400C
Roanoke, VA 24018*

FAX: (540) 772-2089

www.roanokecountyva.gov

County of Roanoke
FY2016-2025 Capital Improvement Program

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Executive Summary

Capital Programming

The underlying strategy for the Capital Improvement Program (CIP) is to plan for the construction and maintenance of investments necessary to provide public services in compliance with the County's Comprehensive Plan and other adopted policies. It is a long-range planning tool used to schedule anticipated capital projects and coordinate capital financing in a way that manages future debt service requirements. By looking beyond the current year and projecting what, where, when and how capital investments should be made, capital programming enables the County to maintain an effective level of service for both the present and future population.

The CIP is a planning document and is subject to change each year as the needs of the community become more defined. The program is reviewed annually and revised based on current community needs, asset conditions and funding opportunities.

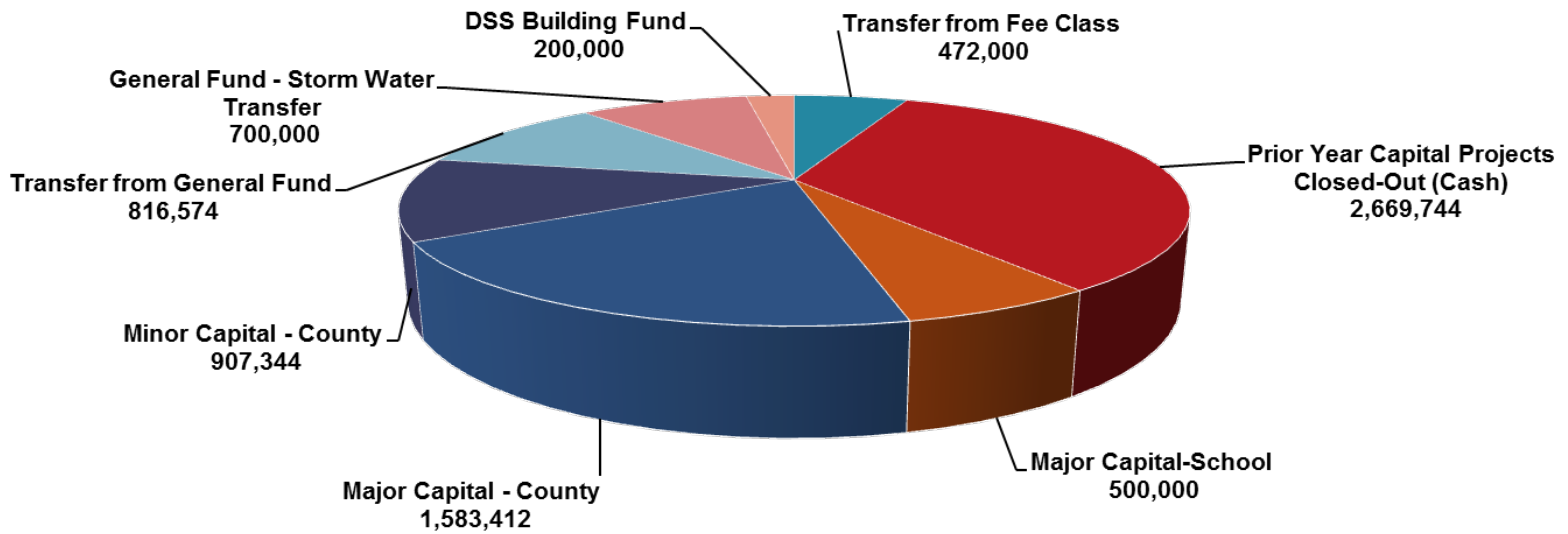
For the purposes of the CIP, a capital project is defined as a single tangible asset that has a useful life of at least 5 years and a minimum cost of \$100,000. If the project is funded by a bond issue, the useful life of the project must be at least equal to the length of the bond issue. This can include items such as reconstruction or replacement of buildings or equipment, new construction or development, and acquisition of property and equipment.

FY2016-2025 Capital Improvement Program

The attached FY2016-2025 Capital Improvement Program includes a section for Funded Projects that have been proposed for funding over the next ten years. The adoption of the CIP is neither a commitment to particular projects nor an obligation to the stated project timeline. The first year of the ten year plan is the only formal appropriation of funding. The program is reviewed annually and revised based on current community needs, asset conditions, and funding opportunities.

The funded ten year Capital Improvement Program indicates Roanoke County's commitment to long range capital planning.

Capital Improvement Program Revenue Sources
Fiscal Year 2015-2016
\$7,849,074



Capital Improvement Program Expenditures

Department	Project	FY15-16 Appropriation
Community Development	VDOT Revenue Sharing	\$500,000
Community Development	Storm Water Management	\$700,000
Real Estate Valuation	AssessPro 5 Upgrade	\$204,000
Parks, Recreation, and Tourism	Explore Park	\$200,000
Parks, Recreation, and Tourism	Sports Lighting	\$500,000
General Services	Building Security	\$180,000
General Services	Paving	\$521,000
Fire and Rescue	Station Fuel Control System	\$178,500
	Firearms Range	\$277,000
Social Services	Floors 1-4 Renovation	\$2,500,000
Schools	Cave Spring High School Assessment	\$500,000
Capital Maintenance Program		\$1,588,574
Total		\$7,849,074

TAB

TAB

FY2016-2025 Capital Improvement Program - County/School Funding Schedule

Sources of Funds-County and Schools												
Funding Source	Prior Year(s)	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25
Transfer from Fee Class	-	472,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000	272,000	2,920,000
Transfer from General Fund	-	816,574	816,574	816,574	816,574	816,574	816,574	816,574	816,574	816,574	816,574	8,165,740
Bond Issue - County	-	-	-	4,000,000	4,834,699	10,000,000	-	1,000,000	5,000,000	-	-	24,834,699
Bond Issue - Schools	-	-	-	20,000,000	10,000,000	-	10,000,000	10,000,000	-	10,000,000	10,000,000	70,000,000
2004 VRA Refunding - Prior Approval	1,451,020	-	-	-	-	-	-	-	-	-	-	-
Bond Proceeds (Vinton Library)	1,202,686	-	-	-	-	-	-	-	-	-	-	-
Social Services Building Prior Funding	731,386	-	-	-	-	-	-	-	-	-	-	-
Prior Year Capital Projects Closed-Out (Cash)	-	2,669,744	-	-	-	-	-	-	-	-	-	2,669,744
Emergency Communications Center Capital	-	-	-	-	-	993,136	-	-	-	-	-	993,136
Radio Maintenance Capital	-	-	-	-	-	-	-	-	-	-	-	207,000
Major Capital-School	-	-	107,000	100,000	-	-	-	-	-	-	-	207,000
Major Capital - County	-	500,000	1,500,000	2,815,837	-	-	-	-	-	-	-	4,815,837
Minor Capital - County	-	1,583,412	480,838	300,715	-	1,205	12,328	117,709	57,547	42,857	4,501	2,601,112
General Fund - Storm Water Transfer	1,500,000	907,344	705,382	-	-	-	-	-	-	-	-	1,612,726
Sale of Property	931,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	700,000	7,000,000
Salem Bank and Trust Fund	-	-	2,021,265	398,001	280,734	-	-	-	-	-	-	2,700,000
2015 VPASA Refunding	-	200,000	-	17,175	211,643	113,034	1,551,440	270,416	163,834	789,633	400,000	3,717,175
Debt Fund-Schools	-	-	215,293	111,825	141,825	141,025	221,775	227,025	228,275	229,612	225,112	1,741,767
Debt Fund-County	-	-	-	3,048,864	623,642	640,880	647,167	653,455	670,692	605,164	640,703	7,530,567
	-	-	841,290	473,849	1,426,709	1,148,337	276,784	277,825	64,480	672,704	687,943	5,869,921
Total Funding Sources	5,816,092	7,849,074	7,659,642	33,054,840	19,307,826	14,826,191	14,498,068	14,335,004	7,973,402	14,128,544	13,746,833	147,379,424
Use of Funds Summary												
Department/Project		FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25
Roanoke County Government Expenditures		7,349,074	6,051,996	7,134,227	8,613,272	14,114,799	3,740,014	3,568,037	7,188,573	3,408,574	2,993,574	64,162,137
Roanoke County Public Schools Expenditures		500,000	1,607,647	25,920,614	10,694,555	711,393	10,758,055	10,766,968	784,830	10,719,970	10,753,259	83,217,288
Total Expenditures		7,849,074	7,659,642	33,054,840	19,307,826	14,826,191	14,498,068	14,335,004	7,973,402	14,128,544	13,746,833	147,379,424
Use of Funds-County												
Department/Project	Prior Year(s)	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25
Roanoke County Government Expenditures												
Community Services												
Community Development												
VDOT Revenue Sharing Projects		500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	5,000,000
Comprehensive Public Asset and Work Management Solutions		-	540,000	-	-	-	-	-	-	-	-	540,000
West Main Street Pedestrian Improvements		-	-	-	-	73,090	651,441	79,464	-	-	-	803,995
Storm Water Management												

Use of Funds-County														
Department/Project	Prior Year(s)	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25	Total Project Cost	
NPDES - Leachate NPDES - MS4 NPDES - Stream Assessment Maintenance of Effort Projects - Drainage General Services Construction of New Public Service Center Real Estate Valuation AP5 Upgrade	931,000	325,000	-	-	-	-	-	-	-	-	-	325,000	325,000	
		100,000	425,000	425,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	5,150,000	6,081,000	
		175,000	175,000	175,000	-	-	-	-	-	-	-	-	525,000	525,000
		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	1,000,000	
		-	-	-	300,000	1,350,000	10,050,000	300,000	-	-	-	-	12,000,000	12,000,000
		204,000	-	-	-	-	-	-	-	-	-	-	204,000	204,000
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
Library Vinton Library Parks and Recreation Explore Park - Infrastructure Improvements Sports Field Lighting Brambleton Center Renovation Vinyard Park Improvements Hollins Park Improvements Green Hill Park: Sports Complex, Amphitheater Arnold Burton Softball Complex Improvements Camp Roanoke	1,202,686	-	-	-	-	-	-	-	-	-	-	-	1,202,686	
		200,000	-	1,500,000	1,500,000	-	-	-	-	-	-	-	3,200,000	3,200,000
		500,000	450,000	-	-	-	-	-	-	-	-	-	950,000	950,000
		-	-	-	-	-	-	-	400,000	3,600,000	-	-	4,000,000	4,000,000
		-	-	-	-	-	-	-	300,000	300,000	250,000	-	850,000	850,000
		-	-	-	-	-	-	-	-	-	170,000	205,000	375,000	375,000
		-	-	50,000	240,000	210,000	-	-	-	-	-	-	500,000	500,000
		-	-	-	-	-	-	-	500,000	200,000	-	-	700,000	700,000
		-	35,000	385,000	-	-	-	-	-	-	-	-	420,000	420,000
		-	-	-	-	-	-	-	-	-	-	-	-	-
Internal Services Communications and Information Technology Roanoke County Administration Center VOIP Project Finance Integrated Financial System General Services Building Security Repaving Fire Stations Repaving of Current Public Service Center Repaving of Roanoke County Administration Center	2,951,020	-	-	210,654	100,000	-	-	-	-	-	-	310,654	310,654	
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	2,951,020
		-	-	-	-	-	-	-	-	-	-	-	-	-
		180,000	-	-	-	-	-	-	-	-	-	-	180,000	180,000
		119,000	-	-	-	-	-	-	-	-	-	-	119,000	119,000
		166,000	-	-	-	-	-	-	-	-	-	-	166,000	166,000
		236,000	-	-	-	-	-	-	-	-	-	-	236,000	236,000
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
Public Safety Communications and Information Technology Public Safety Radio Replacement CAD .Net Upgrade Dell Consoles (16 Machines) Motorola Nice Logging Recorder Intrado VIPER 911 Phone System Motorola Radio Consoles Fire and Rescue SCBA Replacement		-	-	1,800,000	1,800,000	-	-	-	-	-	-	3,600,000	3,600,000	
		-	107,000	-	-	-	-	-	-	-	-	-	107,000	107,000
		-	-	100,000	-	-	-	-	-	-	-	-	100,000	100,000
		-	-	-	197,659	-	-	-	-	-	-	-	197,659	197,659
		-	-	-	637,040	-	-	-	-	-	-	-	637,040	637,040
		-	-	-	-	993,136	-	-	-	-	-	-	993,136	993,136
		-	1,710,000	-	-	-	-	-	-	-	-	-	1,710,000	1,710,000
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

Use of Funds-County													
Department/Project	Prior Year(s)	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25	Total Project Cost
Station Fuel Control System		178,500	-	-	-	-	-	-	-	-	-	178,500	178,500
Masons Cove Renovation		-	250,000	-	-	-	-	-	-	-	-	250,000	250,000
Police													-
Firearms Range		277,000	-	-	-	-	-	-	-	-	-	277,000	277,000
Sheriff													-
Lighting Replacement for Jail		-	171,423	-	-	-	-	-	-	-	-	171,423	171,423
Social Services													-
Social Services Building Repairs	731,386	-	-	-	-	-	-	-	-	-	-	-	731,386
Social Services Building - Renovations - Floors 1-4		2,500,000										2,500,000	2,500,000
Capital Maintenance Program													-
General Services		783,574	783,574	783,574	783,574	783,574	783,574	783,574	783,574	783,574	783,574	7,835,740	7,835,740
Parks Recreation, and Tourism		710,000	710,000	710,000	710,000	710,000	710,000	710,000	710,000	710,000	710,000	7,100,000	7,100,000
Sheriff's Office		95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	95,000	950,000	950,000
Total Expenditures	5,816,092	7,349,074	6,051,996	7,134,227	8,613,272	14,114,799	3,740,014	3,568,037	7,188,573	3,408,574	2,993,574	64,162,137	69,978,229

Use of Funds Summary-Schools												
Department/Project	FY15-16	FY16-17	FY17-18	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23	FY23-24	FY24-25	Total FY16-25	Total Project Cost
Cave Spring High	500,000	1,500,000	TBD	TBD	-	-	-	-	-	-	2,000,000	2,000,000
Burton Center for Arts/Tech	-	-	-	-	500,000	1,500,000	TBD	TBD	-	-	2,000,000	2,000,000
TBD	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures	500,000	1,500,000	0	0	500,000	1,500,000	0	0	0	0	4,000,000	4,000,000

School CIP projects do not have an estimated cost until project scope is defined. First step in project is to obtain Scope Analysis.



TAB

TAB

County of Roanoke FY2016-2025 CIP Projects

Community Services Budget Team

VDOT Revenue Sharing Projects
Comprehensive Public Asset and Work
Management Solutions
West Main Street Pedestrian Improvements
NPDES – Leachate
NPDES – MS4
NPDES – Stream Assessment
Maintenance of Effort Projects – Drainage
Construction of New Public Service Center
AP5 Upgrade



Description:

The Revenue Sharing Program annually provides Roanoke County the opportunity to receive fifty percent (50%) State matching funds for construction and improvements to primary and secondary roads in the State's highway system. Between fiscal year 1988-1989 and fiscal year 2011-2012, Roanoke County expended \$9,331,267 in matching funds, for a total of \$18,662,534 in roadway and drainage improvements. During most of those years, the County matched \$500,000 in local funds. County funding for Revenue Sharing was postponed in fiscal year 2012-2013, due to the economic downturn.

Justification:

The Revenue Sharing Program allows Roanoke County, working with VDOT, to expedite needed roadway and safety improvements and enhancements that normally take many years to accomplish.

Operating Budget Impact:

Considerable staff time is needed to administer this program.

Cost and Efficiency Impact:

This program allows Roanoke County to utilize additional State funds to improve Roanoke County's transportation system.

Conformance with County Obligations:

The Revenue Sharing Program is identified in Chapter 4 of the Roanoke County Community (Comprehensive) Plan. One of the objectives of the Plan is to continue to maintain and update Secondary and Primary road improvement plans based on consistent policies and criteria.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20		
\$500,000	\$500,000	\$500,000	\$500,000	\$500,000		
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25	
\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,000,000	

Community Development

Comprehensive Public Asset and Work Management Solutions

Description:

Comprehensive public asset and work management solution for infrastructure as well as land-based, location-focused activities. Such as; Code enforcement, building permits, storm water and integrate with the County's GIS.

Justification:

The County's current Land Development Office is 10 years old and does not support the new technologies and is not an integrated system that will handle all functions of this department.

Operating Budget Impact:

An Enterprise Licenses cost is approximately \$120,000/year.

Cost and Efficiency Impact:

Streamline the operations of the Department of Community Development. This solution would replace Land Development Office which has a yearly maintenance cost of \$11,256, QuickBase yearly maintenance cost of \$3,000, OVELA yearly maintenance cost \$16,000 and Teleworks which has a yearly maintenance cost of \$15,490 with an annual increase in cost of 3%.

Conformance with County Obligations:

This project conforms with the Board of Supervisors stated mission to provide high quality delivery of services to the citizens of Roanoke County. It will provide daily support to the operations and functions of the Department's Building Services, Code enforcement and Storm Water Operations. Shifting to a web-based solution connected to wireless network will allows mobility and flexibility for our staff and to the customers we serve.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$540,000	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$540,000

Description:

Roanoke County is submitting a request for pedestrian improvements and safety accommodations in the Glenvar area. RSTP funding was awarded for Phase One of the West Main Street Pedestrian Improvement Project in June 2013. That funding recently added sidewalks to a portion of the north side of West Main Street, Rt 11/460, connecting existing sidewalk at the City of Salem boundary and continuing west to Daugherty Road. However, the funding was insufficient to include planned sidewalk to Fort Lewis Church Road or the planned pedestrian signals.

This funding request to continue the existing sidewalk project is broken into two phases. Phase 2 would continue sidewalk construction from Daugherty Road to Fort Lewis Church Road, on the north side of West Main Street. Also included in Phase 2, sidewalks would be constructed from the existing sidewalks in the City of Salem to Technology Drive, along the south side of West Main Street. Pedestrian signals and crosswalks would be installed at the existing signalized intersections at Alleghany Drive and at Daugherty Road. Phase 3 would continue construction from Fort Lewis Church Road to the intersection with Technology Drive, along the north side of West Main Street. Phase 3 is a portion of the sidewalk project that could be broken out of construction plans, and still provide a logical terminus to the northern sidewalks. Crosswalks would also be installed at the Fort Lewis Church Road intersection. All proposed crosswalks would be “Continental” design. All proposed sidewalk construction would take place in existing West Main Street right of way.

Justification:

Glenvar residents have requested pedestrian accommodations as part of the road widening project. The first phase of sidewalks has been installed between the most critical County facilities on the corridor -- Fort Lewis Elementary School and the Glenvar Branch Library. Additional sidewalks will reach other important destinations and businesses, improving economic development and enhancing safety for pedestrians already traveling the corridor. A future phase may also include sidewalks along Technology Drive to reach Valley Tech Park industrial tenants, enhancing the desirability of remaining property in the industrial park. There is also potential for connecting the sidewalks to a future phase of the West Roanoke River Greenway, increasing regional bicycle and pedestrian connectivity to the Glenvar area.

Operating Budget Impact:

Maintenance responsibilities are unknown at this time.

Cost and Efficiency Impact:

The continuation and completion of the West Main Street Pedestrian Improvements will result in numerous and incalculable safety benefits for pedestrian and vehicular users of the West Main Street corridor. While also providing safety improvements, the West Main Street Pedestrian Improvements are also anticipated to increase economic development opportunities, expand transportation options, improve environmental quality and enhance overall quality of life for users.

Conformance with County Obligations:

- Roanoke County Comprehensive Plan (2005)
- Glenvar Community Plan: Adopted by the Board of Supervisors in 2012 as a component of the Comprehensive Plan; the West Main Street project begins to implement the Glenvar Community Plan.
- Constrained Long Range Transportation Plan (CLRTP) 2035: Primary System
- Transportation Improvement Program (TIP) 09-12 and 12-15: Primary System
- Bikeway Plan for the Roanoke Valley Area MPO – 2012 Update:

Community Development

West Main Street Pedestrian Improvements

- oPriority alignment: West Main Street from the City of Salem to Technology Drive
- oVision alignment: West Main Street from Technology Drive to Montgomery County
- VDOT Policy for Integrating Bicycle and Pedestrian Accommodations: Endorses bicycling and walking as fundamental travel modes and integral components of an efficient transportation network.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$0	\$0	\$73,090	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$651,441	\$79,464	\$0	\$0	\$0	\$803,995

Description:

The closed Dixie Caverns Landfill generates leachate that is collected and discharged into a public sanitary sewer. The leachate management system consists of a lined pond, a set of pumps, a steel settling tank, instruments and controls, and a SCADA system. The existing system is beyond its service life and must be completely replaced. Additionally, there may be sanitary sewer capacity issues that may need to be addressed. Currently the system is not functioning properly to capture leachate. A temporary system has been installed to minimize uncontrolled leachate discharges. This project is currently under study and conceptual plans are being developed. It is anticipated that the project will include relining the existing leachate pond, replacing pumps and controls, improving alarm communications; and possibly upgrading one or two WVWA sanitary pump stations.

Justification:

Roanoke County has an on-going responsibility to collect leachate from the closed Dixie Caverns Landfill and discharge it to the adjacent public sanitary sewer system for proper treatment. This work is required to comply with environmental laws and regulations.

Operating Budget Impact:

The County does not have the trained staff required to properly maintain pumps, instruments, and controls. Once this project is completed, an operating/maintenance contractor shall be obtained to perform these services. The estimated yearly cost for this service is \$15,000/year.

Cost and Efficiency Impact:

Project has no impact on decreasing County costs or improving efficiency.

Conformance with County Obligations:

Project is required to meet County's legal obligations.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20	
\$325,000	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$325,000

Description:

This project funds the non-staff costs to comply with its Municipal Separate Storm Sewer System (MS4) permit, excluding the costs included in the CIP as NPDES – Leachate and NPDES – Stream Assessment. These costs include: part-time labor of interns, wireless and mobile internet service charges for inspectors, contracted services to Clean Valley Council for public education and outreach activities, other public education and outreach, employee training materials, printing, BMP Asset Management software licensing fees, contracted services to maintain the County-owned BMPs, and consultant services.

Justification:

Roanoke County has a Municipal Separate Storm Sewer System (MS4) permit with Total Maximum Daily Load (TMDL) requirements. These project activities are required to comply with the MS4 permit.

Operating Budget Impact:

This project requires staff time to administer.

Cost and Efficiency Impact:

Project has no impact on decreasing County costs or improving efficiency.

Conformance with County Obligations:

This project conforms to Roanoke County's MS4 Program Plan that describes how Roanoke County will comply with its MS4 permit.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20		
\$100,000	\$425,000	\$425,000	\$600,000	\$600,000		
					FY21	TOTAL FY16-25
					\$600,000	\$5,150,000
					FY22	
					\$600,000	
					FY23	
					\$600,000	
					FY24	
					\$600,000	
					FY25	
					\$600,000	

Description:

This project funds the non-staff costs to perform maintenance and repair to County-owned storm drainage systems in the County. These costs include heavy equipment rental, construction materials, and contractor effort.

Justification:

The County has 2 work crews that maintain and repair County-owned storm drainage systems. This project is required for them to perform their work.

Operating Budget Impact:

None

Cost and Efficiency Impact:

This project is required to allow staff to perform their work effectively.

Conformance with County Obligations:

This project conforms to the Board's past support of providing maintenance services for County-owned storm drainage infrastructure.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20		
\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		
					FY21	TOTAL FY16-25
					\$100,000	\$1,000,000

Description:

The Public Service Center at Kessler Mill Road was purchased by Roanoke County in the mid-1980's. It was renovated at that time to provide office space for Parks and Recreation, Utilities, and General Services. The warehouse end of the building has been used for County records storage; however, due to water issues, this practice has been discontinued. The warehouse is currently used for surplus property. Other offices located in this building are the Communications Shop, Welding Shop, Roadway Drainage, and Roanoke Valley Greenways. We are also storing material that had been used by Explore Park.

The building leaks through the doors and occasionally in roof areas, which destroys records and other materials stored on site. In 1985, the building flooded, largely due to drainage issues. While some of these issues have been addressed, the potential for further problems remains, as was evident during Hurricane Isabel in 2004, when the water rose to the loading docks and staff had to shelter in the Wash Bay, the highest area of the lot. This building is visible from Interstate 81, and does not present a positive image of Roanoke County operations.

In addition to major drainage and flooding issues at the site, the building needs the following work, which would cost at least \$2 million:

- Sprinkler heads need to be lowered below ceilings in some areas.
- Install fire alarm system.
- Replace HVAC, including redesign to meet current requirements.
- Repave parking lot, area on hill and entrances.
- Drainage improvements between building and hill.
- Upgrade/improve building exterior.
- Replace and improve roof gutters and down spouts.
- Renovate the three main restrooms.
- Drop ceiling in rear hallway and close off open ceiling area of heated rooms.
- Install six new garage doors.
- Seal gable roof at west end of building.
- Replace flat roof.

Justification:

A new service center will provide more energy efficient space, meet current fire and ADA standards, and provide a more practical work environment for the different operations. It is more cost effective in the long run to build a new facility than to renovate the current 50+ year old building. Remodeling the facility will not change the floodplain issues, nor deal with the excess limited use space.

There is space on the site to construct a new building prior to demolition of the current one. The location itself is very convenient for the departments in the facility, as there is quick access to Interstate 81 and 581 for service to various county facilities, as well as proximity to Rte. 311 to Catawba.

Operating Budget Impact:

A new building may actually cost less to operate due to the inefficiencies of the current facility.

Cost and Efficiency Impact:

A new service center will allow operations to share common space such as locker rooms, kitchen and break rooms, and copier rooms. Cost may decrease due to reduced energy consumption and shared space.

Description:

The Real Estate Office CAMA system (Assess Pro) has gone through a series of upgrades periodically as initiated by our vendor, Patriot Properties. Roanoke County Comm IT and RE have been eagerly awaiting Patriot version of .net system which is now called AssessPro 5. This upgrade would allow all years' information in one data base, GIS Viewer to integrate CAMA data with Map data valuation analysis, and use AssessPro Tablet PC or Laptop PC as a means of mobile data collection. These important upgrades to our current system, would take us to the next generation in the assessment field.

Justification:

Our vendor has been working with several larger jurisdictions in getting AssessPro5 set up within their respective localities. They are now moving to some of the mid-level localities with parcels 45,000 to 75,000 and encouraging this upgrade. They have not told us, but when they encourage our office to look at this upgrade, you begin to think about how much longer Patriot will provide support for our current system. The Real Estate Valuation Office has been a leader in statistical data for assessment ratios and COD's as documented with State Department of Taxation. Our mission is to make sure that we continue our appraisal process with the most up to date software for our current CAMA System. This allows our office to continue having the high standards of achieving market value and uniformity for General Reassessments in Roanoke County. This upgrade would also allow our office to move forward with the GIS Viewer which has become such a powerful tool within the assessment field with integrating CAMA data with spatial maps. There is also an option, which would allow us from AssessPro 5 to look at a software upgrade for tablets for mobile data collection. This allows appraisers to be in the field and make changes to system as they are working individual neighborhoods and use the mobile devices to enter data on new construction.

Operating Budget Impact:

There should be minimal impact to operating budget for AssessPro 5.

Cost and Efficiency Impact:

Real Estate Office will incur all costs associated with any upgrades for current software system in place. This request for funding comes through an existing capital account. These funds were accumulated through elimination of staff positions and roll overs. For efficiency we cut staff and took on more parcels. Efficiency of upgrade will not be as comprehensive as in 2008 during installation of current system Assess Pro but will allow newer .net framework to be used. Not only would upgrade occur for current software but would also include costs for hardware such as Windows Server, SQL Server, Laptops, and possible software for Tablet PC. The software for this project controls approximately 50% of the Total Revenue source for Roanoke County. The cost to ensure that the Real Estate Office will provide a high degree assessment data is critical while also maintaining efficiencies within the office.

Conformance with County Obligations:

The Real Estate Office will work with CommIT, Purchasing, and County Attorney's Office to ensure conformance with all Roanoke County policies.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20		
\$204,000	\$0	\$0	\$0	\$0		
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25	
\$0	\$0	\$0	\$0	\$0	\$204,000	

County of Roanoke FY2016-2025 CIP Projects

Human Services Budget Team

Explore Park – Infrastructure Improvements

Sports Field Lighting

Brambleton Center Renovation

Vinyard Park Improvements

Hollins Park Improvements

Green Hill Park: Sports Complex, Amphitheater

Arnold Burton Softball Complex Improvements

Camp Roanoke



Description:

This project of \$3,200,000 will continue the development of Explore Park as a regional and state destination for tourists, outdoor enthusiasts and economic development prospects. The project will develop a master plan for Explore Park that will shape the direction of the park for the next 99 years. It will also provide the necessary park infrastructure and park repairs to support park operations for our citizens and market the facility for economic development. The project will include:

- Development of the park master plan
- Run public water and sewer to the park
- Re-pave Chesnutt Ridge Road, Journey's End, Park Parking lots, Old Salem Turnpike and entrance road to the historic area
- Repair water and sewer system and make building repairs to Brugh Tavern
- Repair historic structures to meet the terms of the lease.

Justification:

Roanoke County signed a 99-year lease of Explore Park in 2013. As a part of the lease, Roanoke County committed to developing a master plan for the park within the first 4-years of the lease. The master plan would be the "road map" to follow for future development of economic development opportunities, recreation programs and passive recreation uses. The master plan will need to be supported with the necessary infrastructure and park repairs to support the economic development initiative to bring private businesses to Explore Park to develop it. The infrastructure and park repairs are also necessary to protect the previous investment into Explore Park.

Operating Budget Impact:

This will require additional part time staff, utilities, maintenance materials, and supplies.

Cost and Efficiency Impact:

None

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

Parks and Recreation

Explore Park - Infrastructure Improvements

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$200,000	\$0	\$1,500,000	\$1,500,000	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$3,200,000

Parks and Recreation	<i>Sports Field Lighting</i>
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Parks and Recreation	<i>Sports Field Lighting</i>
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Description:

The Sports Field Lighting Project will install field lights at Green Hill Park Soccer Field #1, Vinyard II Multi-purpose Fields and Hollins Park Soccer Field II.

Justification:

Glenvar, Vinton and Hollins Districts are in need of additional lighted sports fields for football, soccer and lacrosse use. The new lights will help to serve the diverse needs of the sports community. This improvement will also allow Roanoke County to pursue additional soccer and lacrosse tournaments to increase our sports marketing initiatives to bring more tourism spending to the County.

Operating Budget Impact:

The lights for Green Hill Park will cost \$300,000. The lights for Vinyard II Multi-purpose Fields will cost \$450,000 and Hollins Park Soccer Field II will cost \$200,000.

Cost and Efficiency Impact:

Will increase availability of field usage by expanding hours of use. Minor utility costs will be incurred for the new lights.

Conformance with County Obligations:

This plan conforms with the Parks, Recreation and Tourism Master Plan

FY2016 - 2025 Expenditure Summary

Capital Costs

[illegible]

Description:

This project will fund the renovation of Brambleton Center. Existing space will be reconfigured and additional program space will be added that will make it possible to expand existing programs and services, as well as allow for new business development.

Justification:

When Brambleton Center opened in the mid-1990's, the facility was only partially renovated to accommodate the needs of the Parks, Recreation and Tourism Department at that time. As the building continues to age, it will become increasingly costly to maintain without completing the renovations intended for the facility.

Prior to the opening of Green Ridge Recreation Center in 2010, Brambleton Center was the primary community recreation center for Roanoke County. It continues to serve Southwest County as the regional home for youth and adult programs, senior citizens, the regional Therapeutic Recreation Services program, and the Virginia Cooperative Extension office. Brambleton Center remains a key facility for the delivery of quality recreation programs and services that our customers have come to expect. Its location is ideal in terms of proximity to the large population of Southwest County, and also being on the opposite side of the County from Green Ridge.

Additionally, over the last ten years many improvements have been made to Brambleton Center including interior and exterior painting, partial roof replacement, HVAC upgrades, replacement of four boilers, encapsulating asbestos in the boiler room and installation of an energy management system. The County's demonstrated commitment to Brambleton Center through these prior investments will be honored by this project that will ultimately address a variety of structural, drainage, aesthetic and safety issues that have plagued the facility for many years.

Operating Budget Impact:

None

Cost and Efficiency Impact:

To be determined

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$400,000	\$3,600,000	\$0	\$0	\$4,000,000

Description:

Funding from the Roanoke Catholic partnership provided sports field lighting for a large baseball/football combination field, a new park restroom and concession building and recent parking lot expansion in Vinyard Park. This project requests funding to expand the playground, construct a handicap trout fishing area, pave parking lots, add traffic barriers in Vinyard Park I, and support site improvements in Vinyard Park II. The current soccer fields in Vinyard Park II would be replaced with two Bermuda grass fields (one large and one small) and two multi-purpose fields. Other improvements include a park restroom, shelter, and a new parking lot that would be located across Glade Creek. This parking lot would also give access to passive areas on the proposed greenway side of Glade Creek, and would connect to the sports fields by a greenway bridge. A new walking, hiking and biking trail at Vinyard Park I & II is included in the Greenways & Trails: Park Greenways and Trails CIP project funding request.

Justification:

This will complete the master plan, and provide a comprehensive regional park in the east county area. New facilities will improve access and recreational opportunities to a broader segment of the population.

Operating Budget Impact:

This will require additional part-time staff, utilities and maintenance materials and supplies.

Cost and Efficiency Impact:

None

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$300,000	\$300,000	\$250,000	\$0	\$850,000

Parks and Recreation

Hollins Park Improvements

Description:

This project provides design and engineering plans for passive recreation on the recently acquired tract of land. Also, this project will pave the existing parking lots and entrance road, construct a picnic shelter and restroom facility, add playground improvements, and enhance the landscaping.

Justification:

The 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities identifies the need for park facilities and in North County. A park shelter, restrooms, large playground, and landscaping are standard amenities provided in a community park. Also, providing passive recreational opportunities is identified in the 2007 Master Plan.

Operating Budget Impact:

This will require additional part-time staff, maintenance materials, and supplies.

Cost and Efficiency Impact:

None

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$170,000	\$205,000	\$375,000

Parks and Recreation

Green Hill Park: Sports Complex, Amphitheater, Phase 1

Description:

This project will continue the development of Green Hill Park by providing an amphitheater and restroom building, a large picnic shelter, installation of electric and water to the existing two shelters, improve security lighting, expand existing parking and pave all areas, expand the barrier system, add fencing, and improve the landscaping. Additional items include a lighted combination artificial turf field for baseball/softball and soccer/football/lacrosse, add boat launch for river access, replace the fishing pier, and construct a maintenance yard and outbuildings. Phase I of the project will include planning/engineering design associated with the Sports Complex and amphitheater and the initial phase of facility development. Phase I project costs are \$500,000; total project costs are estimated to be \$3,950,000.

Justification:

These enhancements will continue to develop this park as the Roanoke County's Parks, Recreation and Tourism's major event site. This project will develop a "Sports Complex" as identified in the 2007 Comprehensive Master Plan for Parks and Facilities. This project will also provide facilities for the home of the Glenvar Youth Boosters. It will provide for a medium to stimulate and encourage growth in tourism and provide a venue for sports marketing initiatives.

Operating Budget Impact:

This will require additional part time staff, utilities, maintenance materials, and supplies.

Cost and Efficiency Impact:

None

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

Parks and Recreation

Green Hill Park: Sports Complex, Amphitheater, Phase 1

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$50,000	\$240,000	\$210,000	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$500,000

Description:

This facility is located adjacent to the Arnold R. Burton Technology Center and serves as a primary county site for adult softball league and tournament play. It contains three regulation softball fields that supplement the state, regional, and national tournaments held at the Moyer Athletic Complex and Botetourt Sports Complex, and often is the only site for USSSA and NSA Softball Tournaments. Recent funding provided sideline fence replacement on one softball field. This facility needs a new tournament headquarters, press boxes, enclosed dugouts, ball field fencing with backstop, general security lighting, parking lot adjustment with paving, security fencing and ticket booth. Future construction of a trail system with accompanying landscaping around the perimeter of the athletic complex and the addition of a playground will complete this project.

Justification:

This project will provide much needed basic level amenities for the citizens and visitors who use the facility on a daily basis, as well as for special tournaments. It will also provide facilities for tournament participants and directors, which contributes to the economic development of the community through tourism. The recent 2006 N.S.A. Softball World Series brought 175 teams, 29 teams local, who visited the Roanoke Valley to participate in the tournament jointly sponsored by the City of Salem, Roanoke County, and the City of Roanoke. Based on the formula used by the Convention and visitors Bureau, there was a total of \$5,605,350 million in direct spending by these guests while staying in the Valley.

In 2009, 28 tournaments were scheduled for the Arnold Burton Softball Complex. Two of those tournaments, the 2009 ASA Men's Class D & E Slow-Pitch National Championship and the 2009 ISF Senior World Cup, brought 173 teams to the Roanoke Valley and resulted in 4,708 total room nights at local hotels. The total economic impact for the smaller of those tournaments, the 2009 ISF Senior World Cup, was estimated at \$931,824. Both tournaments combined drew participants from 20 states outside of Virginia and one team from South America. In 2011, 1,034 teams participated in 34 tournaments and generated over \$4.9 million in direct spending.

Operating Budget Impact:

Requires additional part-time staff, utilities, maintenance materials, and supplies.

Cost and Efficiency Impact:

N/A

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, and the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities.

Parks and Recreation

Arnold Burton Softball Complex Improvements

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$500,000	\$200,000	\$0	\$700,000

Description:

With a 98% customer satisfaction rating, Camp Roanoke has evolved into a premier residential camp and corporate training/retreat facility offering regional customers exceptional value. This project provides for the construction of a multi-purpose facility and necessary infrastructure upgrades to provide indoor space for summer inclement weather programming, as well as year-round corporate trainings, rentals and other outdoor recreation services. This project will allow Camp Roanoke to move from a seasonal business into a year-round business. Desired amenities include indoor multi-purpose space for a variety of activities, a kitchen, equipment storage and restrooms. In addition, upgrades to existing plumbing will be necessary to allow the Camp facilities to operate through the winter without fear of pipes freezing.

Justification:

Based on available indoor space constraints and dining requirements, the capacity of the existing facilities has been reached. This project, which will create additional indoor program space and allow for year-round operation, will be the key to continued program growth and business development at Camp Roanoke.

For fiscal year 2013, Camp Roanoke served 1407 unique program participants, while achieving a 65% cost recovery. The construction of this proposed facility and plumbing upgrades will allow us to expand outdoor recreation programs and services, with a goal of 100% cost recovery.

Operating Budget Impact:

None

Cost and Efficiency Impact:

To be determined

Conformance with County Obligations:

This project type is consistent with the general goals, objectives, and policies of the 1998 Roanoke County Community Plan, the 2007 Department of Parks, Recreation and Tourism Comprehensive Master Plan for Parks and Facilities, and all current American Camp Association standards.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$35,000	\$385,000	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$420,000



County of Roanoke FY2016-2025 CIP Projects

Internal Services Budget Team

Roanoke County Administration Center VoIP Project

Integrated Financial System

Building Security

Repaving Fire Stations

Repaving of Current Public Service Center

Repaving of Roanoke County Administration Center



Description:

This project will bring Voice over IP (VoIP) technology to the Roanoke County Administration Center. VoIP allows telephone conversations over our internal computer network, eventually eliminating the need to maintain separate networks. Our plan is to switch over the various phone systems one at a time. This will require replacing all phones, outgoing local and long distance lines, and increasing network bandwidth throughout our network to provide this service; however, this expansion of our computer network will ultimately allow us to reduce our telephony network and decrease our dependency on external telephony vendors. Any future construction of new buildings will also utilize VoIP as the standard telephony system.

Justification:

This project addresses both future infrastructure needs and equipment obsolescence. It will consolidate phone management and cut down on the number of leased phone lines. We presently have 27 phone systems, which must be individually maintained and managed, and cannot connect to each other through an intercom system. By implementing VoIP County-wide, we will be able to take advantage of our computer network infrastructure, reducing our reliance on outside vendor equipment and services. Currently, most all public County buildings that utilize a Wide Area Network (WAN) connection larger than a cable modem are on the new VoIP system, with the exception of three floors of the Administration Center. After fully implementing VoIP at the Administration Center we will have 24 remaining phone systems that mostly support remote or non-public locations.

By having a single system across the organization, we will be able to more quickly spread emergency notifications to ensure employee safety, reduce the long-term operating costs and improve response times, as well as be able to remotely troubleshoot and repair many service issues. Additionally, we will be able to focus ongoing training efforts and skill sets on an individual set of technology, rather than being forced to keep up with the upgrades, patches and hardware offered by the multiple vendor systems we support today.

In short, the implementation will bring our technologies up to date and allow us to be more efficient in our uses and support of the technology. It will enable us to provide telephony services in a way that is flexible enough to meet growing and changing needs of the organization.

Operating Budget Impact:

This project will have an impact on operating budgets as software licensing will have to be purchased annually. Approximately 50% of this additional support cost will be offset by savings from the reduction of physical phone lines and their associated line costs.

Cost and Efficiency Impact:

This project will improve overall efficiency by allowing the use of the same equipment to support the computer network and the telephone system infrastructure. In essence we will be leveraging monies that we have already spent on improving our computer network infrastructure in other areas. It will also cut down on field support while simultaneously opening the door for new communications capabilities (i.e. soft phones).

Conformance with County Obligations:

This project conforms with the stated mission of the Board of Supervisors to provide high quality services at reasonable costs to the citizens of Roanoke County. This project also conforms to the

County's listed objective to promote the use of the most effective & efficient methods to communicate issues and policies to the citizens and to receive their input and suggestions, as found in Chapter Two of the 2005 Community Plan.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20		
\$0	\$0	\$210,654	\$100,000	\$0		
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25	
\$0	\$0	\$0	\$0	\$0	\$310,654	

Description:

The Commissioner's office is currently designed in a manner that does not provide adequate security for staff and citizens. There are two accesses open to the public. In addition, the present design does not allow for efficient customer service to citizens.

Renovations will provide for an efficient intake area that while providing for restricted access to sensitive areas, also creates a more customer focused and confidential interaction with staff. Renovations will also allow for the continued level of service to accommodate special needs and elderly citizens through the creation of a much smaller secure access area located adjacent to the Administration Center's public entrance.

Justification:

The Commissioner's office is a high volume center for citizen transactions for areas to include: assessments and audits of individual and business personal property; issuance, renewals and audits of business licenses; real estate transfers and real estate tax relief administration; assistance and processing of VA state income tax returns.

The current space configuration has inherent security and safety concerns for both staff and customers. The nature of services provided by the Commissioner's office warrants these renovations as part of the County Administration Center overall planning for secure and efficient services to citizens.

Operating Budget Impact:

Once construction is complete, operational costs are not anticipated to change.

Cost and Efficiency Impact:

The cost of renovations is estimated at \$180,000. In addition to mitigating security risks to staff and citizens, the revised layout is anticipated to provide for more efficiency in the delivery of services.

Conformance with County Obligations:

Safety of employees and residents is a crucial part of our overall mission.

FY2016 - 2025 Expenditure Summary**Capital Costs**

FY16	FY17	FY18	FY19	FY20	
\$180,000	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$180,000

General Services

Repaving Fire Stations - Masons Cove, Mt. Pleasant, and Cave Spring

Description:

The current parking lot and entrances at these fire stations are in need of repaving and repair. There are several areas in the parking lot and entrances that have potholes that damage vehicles, both County-owned and vehicles that belong to staff.

Justification:

This facility is utilized by large vehicles on a daily basis. The wear and tear on the pavement is detrimental. Many of these potholes are a safety hazard.

Operating Budget Impact:

Due to budget reductions, we have not been able to fund repairs or paving for these areas.

Cost and Efficiency Impact:

The cost for repaving the parking lot and entrances would be approximately \$119,000. This project would ensure the safety of our drivers due to large potholes and also reduce the risk of significant damage to the vehicles which would require costly repairs.

Conformance with County Obligations:

Safety of employees and stewardship of County tax dollars through appropriate and safe use of County equipment is very important to our overall mission.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$119,000	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$119,000

General Services

Repaving of Current Public Service Center

Description:

The current parking lot, entrances, and access roads to the hill at the Public Service Center are in dire need of repaving and repair. There are several areas in the parking lot and entrances that have potholes that will tear out an axle or otherwise damage vehicles, both County-owned and vehicles that belong to staff.

Justification:

This facility is utilized by departments that required the use of large vehicles on a daily basis. These vehicles are very heavy with most of them averaging 32,000 pounds empty. The wear and tear on the pavement is detrimental. To our knowledge, the paved areas have not been repaved in over 18 years. There have been various patching jobs done over the years, but the entire lot has not been repaved. Many of these potholes are a safety hazard.

Operating Budget Impact:

Due to budget reductions, we have not been able to fund repairs or paving for this area.

Cost and Efficiency Impact:

The cost for repaving the parking lot, entrances, and access roads would be approximately \$166,000. This project would ensure the safety of our drivers due to large potholes and also reduce the risk of significant damage to the vehicles which would require costly repairs.

Conformance with County Obligations:

Safety of employees and stewardship of County tax dollars through appropriate and safe use of County equipment is very important to our overall mission.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$166,000	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$166,000

General Services

Repaving of Roanoke County Administration Center

Description:

The current parking lot is in need of repaving and new striping to allow the parking area to be more efficient and reduce parking errors.

Justification:

This facility is utilized by County employees and County residents on a daily basis. The back parking lot, in particular and entrance area needs to be repaved and restriped to allow vehicles to provide more efficient space for parking.

Operating Budget Impact:

Due to budget reductions, we have not been able to fund repairs or paving for this area.

Cost and Efficiency Impact:

This parking lot is large enough that it should be brought into compliance with current design guidelines, which will require funding in addition to the cost of paving and striping alone. Total cost is estimated at approximately \$236,000. This project would increase the parking spaces available and promote better visibility of those spaces.

Conformance with County Obligations:

Safety of employees and residents is a crucial part of our overall mission.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$236,000	\$0	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$236,000



County of Roanoke FY2016-2025 CIP Projects

Public Safety Budget Team

Public Safety Radio Replacement

Technology Projects

SCBA Replacement

Station Fuel Control System

Masons Cove Renovation

Firearms Range

Lighting Replacement for Jail

Social Services Building – Renovations: Floors 1 - 4



Description:

The need to replace the fleet of 1,150 radios is imminent. The radios have parts available for 5 years after production ceases. December 2014 is the projected date to mark the end of production, which will begin the 5 year parts and repair availability on our current radios. 2019 will mark the end of their useful life and all radios should be replaced prior to the 2018 budget year to prevent possible failures and interruption in communications of our Public Safety first responders.

Justification:

Motorola's Lifecycle plan for XTS/XTL was announced October 2013. It is critical that capital funding be provided to replace the approximate 1,150 total radios that are in operation today.

Operating Budget Impact:

There will be a minimal impact on our operating budget to implement additional hardware maintenance contracts. It should be noted that each increase in operating cost listed in the CIP document becomes a required yearly operating expense upon its implementation.

Cost and Efficiency Impact:

This project is critical to ensure positive radio communications with Police, Fire, and Rescue personnel in the field. The capabilities of the radios with our Emergency Communication Center are crucial to supporting the County staff as they provide information and services to our citizens. This request will enable us to provide improvements to our current "end of life" radios by replacing them with state-of-the-art radios compatible with the new digital radio system.

Conformance with County Obligations:

This project conforms with the stated mission of the Board of Supervisors to provide high quality services at reasonable costs to the citizens of Roanoke County. This project also conforms to the County's listed objective to ensure that all citizens have full and appropriate access to information concerning their government, as found in Chapter Two of the 2005 Community Plan.

Capital Costs

FY2016-2025 CIP

Description:

The following technology projects are included in the FY16-25 Capital Improvement Program:

- 1)CAD .Net Upgrade
- 2)Dell Consoles
- 3)Motorola Nice Logging Recorder
- 4)Intrado VIPER 911 Phone System
- 5)Motorola Radio Consoles

These projects represent necessary upgrades to the County's infrastructure and emergency communications system. The CAD .Net Upgrade will have an impact on several departments that rely on the CAD system for public safety and zoning (Fire and Rescue, Police, Community Development, etc.). The included Dell consoles are specialized units that support the County's Emergency Communications Center and the upgrades to the County's 911 phone system will help ensure the system remains up-to-date. Finally, the radio console replacement project is intended to upgrade those public safety radio units that have exceeded their software-dependent life cycles. This ensures compatibility and consistency in public safety communications.

Due to the nature of technology, the descriptions and timing of the aforementioned projects can be subject to change with the ever-changing nature of software and hardware requirements as well as technological innovation. While these projects have been identified for funding over the next several years, it is important to note that the scope of each project and its necessary timing is subject to change.

Justification:

The majority of these technology projects represent required upgrades to ensure the proper functioning of County equipment and provision of services. Delays in updating County hardware and software can have significant impacts on interoperability of equipment that is utilized by numerous partners throughout the County and the entire region.

Operating Budget Impact:

Operating budget impacts are minimal for the aforementioned projects. In fact, system and hardware upgrades can actually result in savings due to new warranties and the lack of maintaining out-of-date equipment. Furthermore, advancing technology has the added benefit of opening the door to a number of operational efficiencies that can enhance the quality of service provision without drastically impacting the price.

Cost and Efficiency Impact:

While the upfront cost of these projects can be relatively significant, the long-term operational savings and enhancement to service provision provide a positive cost-benefit relationship. Operational efficiencies are highly dependent on the sophistication and relative technological improvements that come with each individual project.

Conformance with County Obligations:

Maintaining hardware and software that is critical to the Public Safety function of Roanoke County is consistent with the County's emphasis on maintaining a safe community.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$107,000	\$100,000	\$834,699	\$993,136	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$2,034,835

Description:

In 2003 the Fire & Rescue Department made a purchase of new SCBA's. The purchase was made possible with a 70/30 grant. The cost of the entire purchase was \$663,000. This project will replace the SCBA units currently in service with newer units that will meet revised NFPA and Federal standards. The cost to replace the needed units is \$1,680,900 at today's cost and due to increases in raw material costs will exceed that amount in 2018.

Justification:

In 2018 the life expectancy (15 years) on the cylinders for those units will expire and two rounds of NFPA changes have been made resulting in new requirements that require the department to purchase new SCBA units to remain in compliance with NFPA and Federal standards.

Operating Budget Impact:

Every attempt has been made to keep all maintenance in house which will require additional training for our SCBA technicians to update their training to the new cylinders. The first 5 years after purchase would be primarily handled through warranty but afterwards the cost of parts for repairs would continue to be handled through our existing budget.

Cost and Efficiency Impact:

Outdated equipment is currently resulting in high maintenance costs. By upgrading these units we will not only meet NFPA and Federal standards but improve operations with the latest technology, ensure the safety of personnel, and have the advantage of a manufacturer's warranty to cover repairs for the initial years after implementation.

Conformance with County Obligations:

The replacement of these SCBA units is directly related to our departmental business plan goal of providing "expedient emergency response to the community" and will allow the department to meet NFPA and Federal standards

SCBA Replacement

Capital Costs

FY2016-2025 CIP

Description:

This project would provide for the installation of an automated fuel technology at all fire and rescue stations.

Justification:

Currently, the fire and rescue stations do not have fuel security/control/accountability technology on the station fuel pumps. Fuel is tracked and monitored by an honor system solely dependent on the individual's manual entry of information. The use of pen and paper to track the usage of fuel has become an antiquated method that is prone to the human error factor. This facilitates the loss of accountability due to incomplete documentation on the fuel tracking sheets. With fuel costs at an all time high, it is more important now than ever to ensure the proper dispensing and tracking of fuel as it has a major impact on departmental budgets. By implementing this project, the fuel will be tracked via a computer technology system and accountability will be maintained by individual apparatus. In addition, there will be the added benefit of tracking odometer readings for each apparatus to schedule preventive maintenance. This would also perpetuate the possibility of generating reports from the system for projections and future planning. The main goal is to help control and monitor fuel usage. The added benefit we will see is a method to ensure that our apparatus meet their equipment maintenance schedules.

Operating Budget Impact:

Since the existing stations have all been networked into our system, there would be little cost to implement the system other than the purchase of equipment, installation, and future maintenance. These annual projections are shown.

Cost and Efficiency Impact:

The implementation of this system would improve overall efficiency by offering more monitoring capabilities for fuel consumption and increased performance of the apparatus due to the completion of preventative maintenance on schedule.

Conformance with County Obligations:

This project is directly related to our departmental business plan goal of providing "accurate records and reporting to meet departmental needs" and ensure compliance with local mandates.

Fire and Rescue

Station Fuel Control System

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20		
\$178,500	\$0	\$0	\$0	\$0		
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25	
\$0	\$0	\$0	\$0	\$0	\$178,500	

Description:

This project will provide sleeping quarters for career and volunteer personnel at the Masons Cove station. The current area being used is not large enough or adequate to house the 24-hour career personnel and the volunteer personnel who work evenings and weekends. An addition similar to that added at the Mount Pleasant station would provide for the facilities necessary for personnel to stay overnight including sleeping, bathroom and shower areas for both male and female personnel. Completion of this project will also allow for the upgrade of the current electrical system, backup generator, and water purification system for the entire station.

Note: The new Hanging Rock Station Project is the department's preference however if this Masons Cove Bunkroom Addition Project is funded the Hanging Rock Station Project will need to be re-evaluated.

Justification:

Calls in the Catawba/Masons Cove area have increased in recent years to the point that 24-Hour/7 days-a-week ALS coverage is provided from the Masons Cove station. At the time the personnel were approved, areas within the station were rearranged to provide an area for 24-hour personnel to sleep. These accommodations are crowded and are not adequate for continued use. The area was originally part of the meeting room and not designed to be a living area. An interior wall was added to partition off the area currently used for a bunkroom. HVAC flows are not at an optimal level since this partition disrupts the air flow. Bathroom facilities are not located near the sleeping quarters. There is a need for a building addition to the rear of the existing building to allow sleeping quarters for the 24-hour career personnel and volunteer personnel. The completion of this addition would supply more efficient and quality facilities for evening personnel.

Operating Budget Impact:

There would be a slight increase in utilities to heat and cool the additional space. Water consumption should not see an increase since personnel are already assigned on a 24-hour basis at this time.

Cost and Efficiency Impact:

Completion of this project would provide a more energy efficient and adequate environment for 24-hour personnel and volunteer personnel on duty.

Conformance with County Obligations:

The addition at this station is directly related to our departmental business plan goal of providing "expedient emergency response to the community" and meeting our performance measure of providing ALS response to 80% of the citizens in the County within six minutes when service is needed.

Fire and Rescue

Masons Cove Bunk Room Addition

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$250,000	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$250,000

Description:

The Roanoke County Firearms Range is owned and maintained by the Roanoke County Police Department and the Roanoke County Sheriff's Department. The facility is used exclusively for firearms training by both agencies and also by the Roanoke County Criminal Justice Academy and the Western Virginia Regional Jail Authority. The facility includes three ranges (e.g. 25-yard, 50-yard and 100-yard ranges). Multiple distance ranges allows for officers to train and meet the required State and Department mandated training for specific weapon systems. This project will provide a solution to a number of concerns relative to overall operational safety and ongoing maintenance of the range.

Justification:

After approximately 10 years of operation, the range was closed in 2008 to reconstruct the berms and install a new bullet trap system crafted from ballistic concrete. In 2012, the 50-yard range was closed due to safety concerns from bullets ricocheting off of the ballistic concrete. In 2014, TRS Range Services was awarded a contract to provide Design-Build Services for enhancements to the Roanoke County Firearms Training Facility. Due to funding limitations, TRS Range Services completed the proposed enhancement to the 50-yard range and to date, the 50-yard range is fully operational. However, the 25-yard and 100-ranges require similar renovations.

The original design of the bullet trap system for the 25-yard range placed officers at risk of being hit by a ricochet while shooting at close distances. In an effort to minimize ricochets the department installed heavy-gauge rubber tiles to trap bullets. This modification improved the safety for officers but complicated the process of removing lead from inside the trap. Personnel from the Police Department, Sheriff's Office and inmate labor were used to remove the lead from inside the trap. This lead remediation process required a significant amount of man-hours, protective clothing, compliance with specific regulations and excessive costs for the removal of hazardous waste.

The 100-yard rifle range is currently operational but contains the same ballistic concrete bullet trap system as used on the 50-yard range. Although the concern for ricochets is minimized because the distance officers shoot from is greater, the more significant concern is an errant round leaving Roanoke County property. If an officer aims too high and fails to hit the ballistic concrete, the bullet could leave the property. A temporary solution was installed to mitigate this concern and keep bullets on the property.

The enhancements proposed by TRS Range Services will make a considerable impact on improving environmental safety by significantly decreasing the possibility of ricochets and minimizing the concern of an errant round leaving Roanoke County property. Further the proposed enhancements allow for the efficient and cost effective disposal of the lead from inside the bullet traps. TRS Range Services specializes in environmentally friendly granular rubber bullet traps which minimizes the amount of lead into the environment and produces a "cleaner" lead for recycling.

With an easier process for lead removal and a byproduct that is suitable for recycling companies will remove the lead at no cost and may also pay Roanoke County if they are permitted to retain the lead byproduct.

Operating Budget Impact:

The estimated operating budget for the range is \$34,566. In addition to the annual operating budget, it is estimated to cost \$10,000 every three years to remove lead from the current bullet trap systems. Upon completion of the proposed enhancements to the bullet trap systems, the cost associated with lead

Cost and Efficiency Impact:

Cost Itemized by Range

100-yard range enhancements \$125,000.00

Firearms qualification and developing advanced weapons skills are essential parts of law enforcement training. It is the desire of the Roanoke County Police Department and Roanoke Sheriff's Office to provide for a safe training environment for all officers and recruits while also minimizing cost and environmental hazards for the County.

Capital Costs

70

Description:

A partial replacement of all overhead light fixtures in the Roanoke County/Salem Jail was completed in September 2011. Completion of this work left the fixtures in the staff work areas, mechanical room, jail control, magistrate's office, medical offices, kitchen, inmate dayrooms, sally port and property room, to be replaced. This capital project is recommended to replace 525 obsolete overhead light fixtures that were not replaced during the first phase of the jail's lighting capital project. The estimated cost for this project is \$171,423.00. Please see Attachment I for the cost estimate.

Justification:

The Roanoke County/Salem Jail Facility's overhead light fixtures are obsolete and have been phased from the market. The Energy Independence and security Act of 2007 (1) (originally named the Clean Energy Act of 2007) eliminated the majority of the most commonly used types of T12 linear fluorescent lamps, in July 2012. The Roanoke County/Salem Jail Facility currently uses the T12 type of lighting fixtures and we have (525) T12 type of light fixtures that must be replaced. In recognition of the federal regulations of energy efficiency, manufacturer's technology and production focused on T8 and T5 light systems. The replacement bulbs for the T12 type of light fixtures (the type the jail uses) was no longer manufactured after July 1, 2012. We anticipate that once the current market supply of T12 lighting starts to become scarce, there will be an increased cost for T 12 lamps and ballasts due to demand vs. limited supply. Once the availability of the lamps and ballasts for T12 light fixtures have been exhausted, the Roanoke County/Salem Jail Facility will be unable to repair the T12 fixtures and we will be unable to maintain the proper lighting in the common areas of the jail as required by law.

The estimated cost of each replacement lighting fixture varies depending upon the type. The cost of the replacement fixtures was researched through an on-line site vendor (warehouse-lighting.com). The labor cost for the removal of old lighting fixtures, as well as installation of the new lighting fixtures was estimated by utilizing the Means Electrical Cost Data Book.

Since retrofitting, and upgrading our current lighting fixtures was an option, we contacted David Simmons of Varney Electric to inquire about this option. Mr. Simmons advised us that the cost associate with retrofitting our current lighting fixtures was not a cost effective option. Wiring in old fixtures disintegrated over time, and our existing fixtures would have to be re-wired and upgraded to Type T5 lamps and ballasts. In addition, there is no warranty provided for upgrading existing fixtures. New lighting fixtures have a warranty of one year.

Operating Budget Impact:

The Sheriff's Office is unable to identify an exact cost impact to the jail's operational budget. However, according to our suppliers, since the lamps and ballasts for the jail's lighting is no longer manufactured, there will be a substantial increase in the cost of lamps and ballasts, due to demand vs. limited supply. Currently, the lamps and ballasts are available. However, once the current stock has been depleted, we will not be able to obtain lamps or replacement ballasts to maintain the lighting system in the jail.

Cost and Efficiency Impact:

Upgrading our existing lighting to a more energy efficient lighting will reduce our annual operating costs. There is information available regarding energy efficient lighting estimates that emergency savings, associated with lighting upgrades, are between 33 to 48%. According to the National Lighting Bureau (2) energy efficient lighting upgrades can create energy savings up to 48%. Precision-Paragon (3) provides a cost saving estimate formula to estimate project cost savings based on the type of facility, total square

footage and the rate charged for electricity. According to this energy cost saving estimate, the yearly cost to operate one of the jail's existing light fixtures, 24 hours per day, 365 days a year, is approximately \$85.85. There are 525 fixtures that need to be replaced. The total annual cost to operate our current light fixtures is approximately \$45,071. Once the lighting upgrade is completed, the annual operational cost per fixture could be reduced to \$46.43. This may result in an annual cost savings of \$39.42, per light fixture of an annual savings of \$20,696, in the cost of electricity. Our energy costs could be reduced by up to 46%, which may reduce our use of electricity from \$127,137 to \$106,441. The County may realize a 6 to 6.5, year payback on their investment of \$133,795. Please see Attachment II for the energy cost estimated.

Conformance with County Obligations:

This project is in conformance with the Comprehensive Plan found in Chapter 4 – Community Facilities – “Provide a safe and secure jail environment.” This project strikes a balance between public safety and quality of life. It also ensures the adequate delivery of services.

In addition to the Comprehensive Plan, the Roanoke County/Salem Jail has a legal obligation to comply with Minimum Standards for Local Jails and Lockups as established by the Virginia Board of Corrections. Standard Number 6VAC15-40-1160 – All housing and activity areas shall provide for appropriate lighting and heating.

In order to maintain accreditation with the American Correctional Association, the jail is obligated to comply with their standard regarding lighting. 4ALDF-1A-14 – Light levels in inmate cells/rooms are at least 20 foot-candles in personal grooming areas and at the writing surface. Lighting throughout the facility is sufficient for the tasks performed.

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$0	\$171,423	\$0	\$0	\$0	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$0	\$0	\$0	\$0	\$0	\$171,423

Description:

Renovations to floors 1 through 4 of the Department of Social Services Building in Salem, VA.

Justification:

The Department of Social Services provides services to all citizens in Roanoke County, Town of Vinton and City of Salem. Through state reimbursement to the Department of Social Services' budget and the financial payments from benefit programs to the citizens, almost \$80 million of revenue is generated into our local economy annually.

Floor by floor renovations will be conducted to better utilize existing space on all floors. The Department of Social Services has increased 68% in staff, from 58 full time employees in 1993 to 92 full time employees and 3 part-time employees plus 3 full time employees in the Comprehensive Services Office. More citizens are requiring the services from this department every year. Since January of 2008 there has been an 85% increase in open food stamp (SNAP) cases, with a 28% increase in applications. The number of Medicaid recipients has also increased by an alarming 24% in the past 4 years. The office spaces were not designed to accommodate our current staffing levels. As the department has grown, additional space has been added and staffing patterns have changed, resulting in floor plans that do not effectively meet the needs of our staff. The largest conference room is not large enough for all staff to attend regular agency staff meetings. There is very little on site storage. Space for filing records as well as retention of records is inadequate.

Operating Budget Impact:

Maintenance costs should decrease.

Cost and Efficiency Impact:

A renovated office space will allow workflow patterns and space to be utilized in an efficient manner, saving time and energy for both staff and citizens. Building maintenance should be less costly, more efficient and safer due to meeting LEED standards. Citizens will be able to access the office from ground floor which is especially helpful to the handicapped person.

Conformance with County Obligations:

The programs and services provided by the Roanoke Count Department of Social Services are state mandated, but locally administered. These programs and services are funded with a combination of federal, state and local funds. Roanoke County Department of Social Services is under contract to provide all mandated social service programs to City of Salem residents.

Social Services

Social Services Building Repairs

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20		
\$2,500,000	\$0	\$0	\$0	\$0		
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25	
\$0	\$0	\$0	\$0	\$0	\$2,500,000	

Description:

Funding for capital maintenance projects is now included as part of the Capital Improvement Program. The maintenance schedules for this program are maintained by the respective departments. General Services, Parks, Recreation, and Tourism, and the Sheriff's Office each maintains a multi-year schedule of maintenance projects that is funded through the CIP.

Justification:

Ongoing maintenance for County buildings and facilities has become a focal point for the County. A number of repairs are necessary for a significant portion of the County's buildings. Furthermore, ongoing preventive maintenance of all facilities will help ensure the safety and value of these assets while avoiding potentially large costs resulting from lack of proper maintenance. A long-term capital maintenance program ensures that all existing and future facilities will receive the attention they deserve to maximize their useful life.

Operating Budget Impact:

Direct impact to the operating budget from the Capital Maintenance Program primarily comes from the additional staff time necessary to assess and implement repairs and maintenance. Over time, it is expected that ongoing preventive maintenance will actually reduce operating costs and enhance service levels.

Cost and Efficiency Impact:

While repair and maintenance projects can have significant upfront costs, the long-term effect is a reduction in overall total cost and an increase in departmental efficiency. Avoidance of major repairs that result from lack of maintenance is paramount to ensure the stability and predictability of maintenance costs moving forward. A structured Capital Maintenance Program can help maximize cost savings over the course of a facility's lifespan.

Conformance with County Obligations:

Maintenance and upkeep of County assets is necessary to maximize the potential of taxpayer funded buildings and facilities.

General Services, Parks and Recreation, Sheriff

Capital Maintenance Program

FY2016 - 2025 Expenditure Summary

Capital Costs

FY16	FY17	FY18	FY19	FY20	
\$1,588,574	\$1,588,574	\$1,588,574	\$1,588,574	\$1,588,574	
FY21	FY22	FY23	FY24	FY25	TOTAL FY16-25
\$1,588,574	\$1,588,574	\$1,588,574	\$1,588,574	\$1,588,574	\$15,885,740

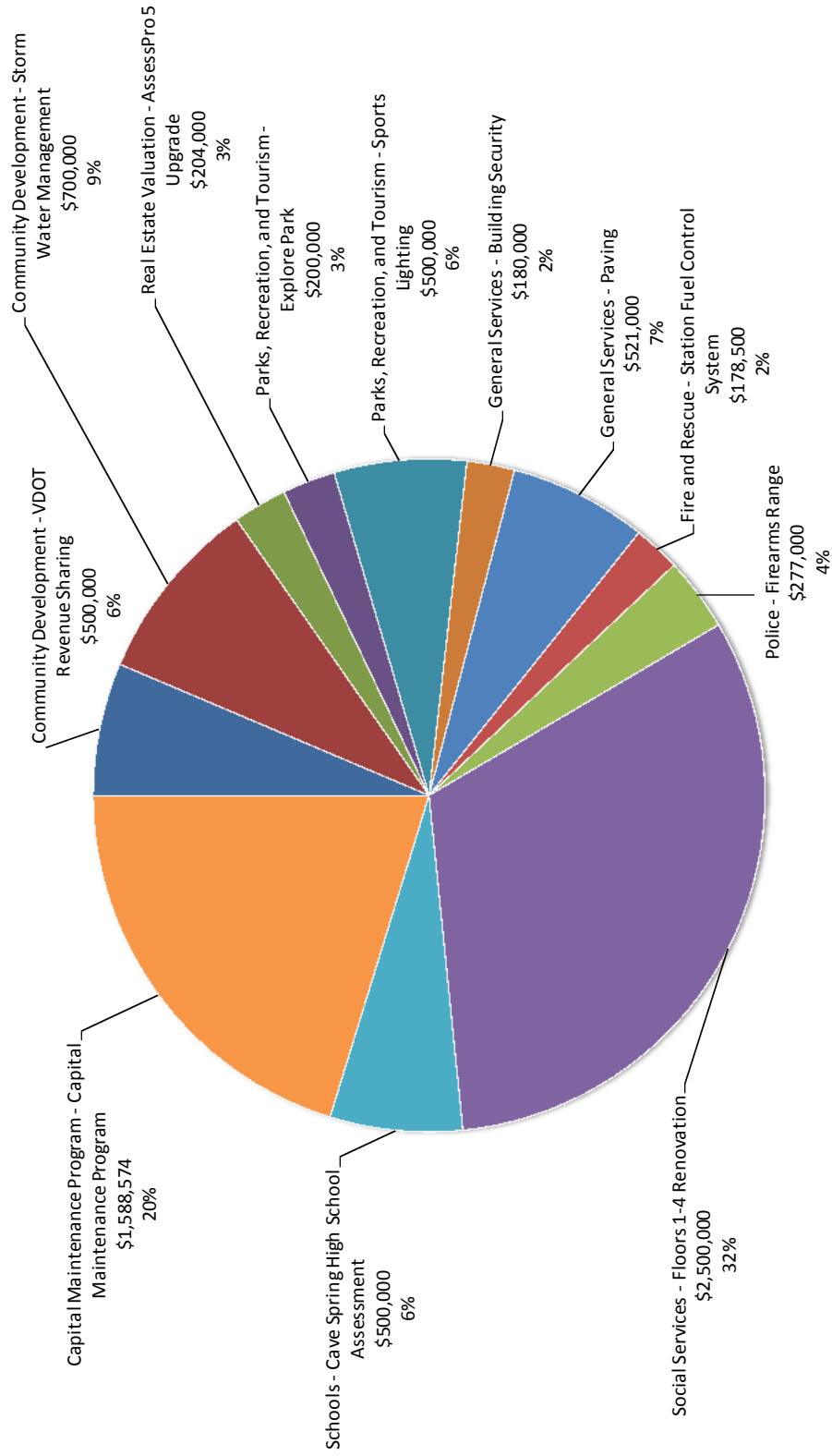
FY16-25 Capital Maintenance Program Schedule

Department	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25
Parks, Recreation & Tourism										
Fields	\$222,000	\$206,200	\$234,000	\$161,000	\$89,000	\$89,000	\$89,000	\$89,000	\$89,000	\$89,000
Sports Lighting	\$15,000	\$1,135,000	\$75,000	\$730,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000
Explore Park	\$75,000	\$200,000	\$167,000	\$187,000	\$112,000	\$112,000	\$112,000	\$112,000	\$112,000	\$112,000
Playgrounds	\$40,000	\$110,000	\$60,000	\$15,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000
Restrooms	115,000	30,000	111,000	68,000	115,000	115,000	115,000	115,000	115,000	115,000
Paving	0	24,000	381,000	12,000	417,000	417,000	417,000	417,000	417,000	417,000
Courts	33,000	16,800	66,800	42,400	72,400	72,400	72,400	72,400	72,400	72,400
Miscellaneous	210,000	195,200	289,800	110,800	235,800	235,800	235,800	235,800	235,800	235,800
General Services										
County Facilities	783,574	783,574	783,574	783,574	620,900	620,900	620,900	620,900	620,900	620,900
Sheriff - Jail	95,000	141,950	325,000	108,500	127,100	95,000	95,000	95,000	95,000	95,000
Total Cost	\$1,588,574	\$2,842,724	\$2,493,174	\$2,218,274	\$2,114,200	\$2,082,100	\$2,082,100	\$2,082,100	\$2,082,100	\$2,082,100
Funding Sources										
Trans. From GF:										
General Services	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574	\$325,574
PR&T	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000	\$210,000
Cash Balances-Capital	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
Sheriff's Budget - Jail	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000
Trans. From PR&T-Fees	\$272,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Additional General Fund										
General Services	\$100,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000
PR&T	\$28,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000
Sheriff - Jail	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000	\$95,000
Funding Gap	0	(826,150)	(476,600)	(201,700)	(97,626)	(65,526)	(65,526)	(65,526)	(65,526)	(65,526)

TAB

TAB

FY15-16 Capital Improvement Program \$7,849,074



FY16-25 Capital Improvement Program

